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Global Precipitation Measurement Mission

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Name-

Date-

Period-

Measuring Precipitation Student Capture Sheet

Guiding Questions

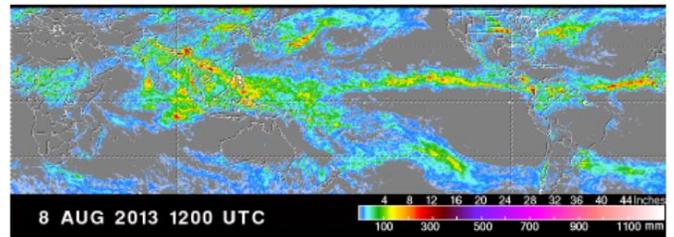
Why do we measure precipitation?

How do you solve an engineering problem?

Why is it important to have standardized ways to measure precipitation?

Engage

1. What is precipitation?
2. How do we measure precipitation?
3. What is this data showing us? Write at least 3 things.



Explore

1. Work with your partner to sketch and label the design for your device that will measure rain. Show it to your teacher before you start construction.



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Explain –

After you have poured water on your device, answer the following questions:

1. How much rain did you collect in your device?
2. Record at least 3 notes or observations about your device as it collected the rain.



Evaluate

1. What did you find difficult about this task?
2. Which design did you think would be the most effective for measuring precipitation? Why?
3. What are some design factors that you think need to be consistent for the rain gauges? Why?
4. What could you do to improve your rain gauge?

